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1 [On built-in test reuse in object-oriented framework design](#)



Yingwu Wang, Dilip Patel, Graham King, Ian Court, Geoff Staples, Maraget Ross, Mohamad Fayad

 March 2000 **ACM Computing Surveys (CSUR)**

Publisher: ACM Press

 Full text available: [pdf\(32.60 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: built-in test, code reuse, framewrk, framework reuse, object-oriented technology, pattern, software engineering, test reuse, testable software

2 [Technical correspondence: Embedding built-in tests in hot spots of an object-oriented framework](#)



Taewoong Jeon, Hyon Woo Seung, Sungyoung Lee

 August 2002 **ACM SIGPLAN Notices**, Volume 37 Issue 8

Publisher: ACM Press

 Full text available: [pdf\(793.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a scheme of encapsulating test support code as built-in test (BIT) components and embedding them into the hot spots of an object-oriented framework so that defects caused by the modification and extension of the framework can be detected effectively and efficiently through testing. The test components embedded into a framework in this way increase the testability of the framework by making it easy to control and observe the process of framework testing. The proposed techniqu ...

Keywords: built-in test (BIT), hook classes, object-oriented framework, testability

3 [TACCLE: a methodology for object-oriented software testing at the class and cluster levels](#)



Huo Yan Chen, T. H. Tse, T. Y. Chen

 January 2001 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 10 Issue 1

Publisher: ACM Press

 Full text available: [pdf\(289.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Object-oriented programming consists of several different levels of abstraction, namely, the algorithmic level, class level, cluster level, and system level. The testing of object-